



A MEMO TO THE SORA COMMUNITY

MARCH 2024

This document accompanies the invoice sent to SORA for the services provided by SORAMITSU.

March 2024 was an incredible month of accomplishments. The SORA Integrated Plan continues to be the roadmap for the SORA network development pipeline, and the progress rate has steadily advanced.

This memo will provide a perspective on the activities for each track, a description of the development activities specific to this month, and the total amount of hours presented in invoice number 205057 served by Soramitsu Helvetia to the SORA Community.

1 SORA (Substrate) - 3,904hrs

This month's work involves [Kensetsu](#), [ALT Technology](#), the [bridge to a sovereign state](#), the [Multi EVM bridge](#), HRMP channels, and the [SORA Wiki](#).

Load testing is ongoing on Kensetsu, and more platform test cases are constantly being implemented. Work with the front-end team is ongoing to ensure an intuitive user experience.

Fee response structures to support Aggregate Liquidity Technology on the liquidityProxy.quote to accommodate fees in different tokens (XOR, XST, XSTUSD) is ongoing. Work on the upgrade weights is being done to ensure the smooth operation of the mechanism. Unit tests and test cases are also being prepared.

The bridge to Liberland, which is managed by blockchain technology, is almost available for public testing. Work to prepare this milestone included extensive internal testing in collaboration with the Sovereign State.

The Multi-EVM bridge is under code review, and the fee structure implementation is ongoing.

Opening HRMP channels to other Substrate networks is an ongoing focus. Token transfers between SORA and Moonbeam on the Moonbeam Alphanet are being tested, and an HRMP channel to Astar is being developed simultaneously.

Technical support was provided to the Ceres team ahead of the Apollo platform's release. Additional work on SORA Substrate infrastructure includes codebase housekeeping, maintenance, cleaning, optimization, collaboration, and research on blockchain architecture and tokenisation for central banks.

Finally, ongoing project management activities include SORA Governance and Technical committee support, quality assurance ops, and development support for external teams building on the SORA network.

On the mobile side, work on SORA Card Phase 2 was carried out. This implementation brings crypto-to-fiat conversion, integration, and cross-communication of the fiat wallet application to the SORA wallet, as well as improvements to the KYC flow.

As well as project management activities, systems analysis, UI/UX improvements and quality assurance.

1.1 SORA Backend

- Kensetsu:
 - Implementation of test cases for the platform;
 - Performing load testing of the platform;
 - Supporting the front-end team for the implementation of the UI / UX.
- Aggregate Liquidity Technology (ALT):
 - Updating fee response structure of liquidityProxy.quote to accommodate different fees depending on the liquidity source (XOR, XST, XSTUSD);
 - Investigating weights for the upgrade to ensure smooth operations of the mechanism;
 - Writing unit tests to ensure consistency between requirements and implementation;
 - Writing test cases.
- Bridge to Sovereign State:
 - Synchronisation with the sovereign state's team to release the implementation for public testing;
 - Release of the bridge to public testnet;
 - Testing of the bridge.
- Multi-EVM Bridge
 - Working on the implementation of the fee structure;
 - Reviewing code.
- HRMP channels
 - Testing transfers between SORA and Moonbeam;
 - Synchronization with other parachain teams interested in setting up HRMP channels with SORA.
- Codebase maintenance, cleaning, and optimisation;
- Collaboration and research on blockchain architecture for central banks powered by SORA;
- Project management activities (daily meetings, planning, retrospectives);
- Quality assurance and testing activities, as well as the development of automated tests.

1.2 Mobile App

- Implementation of SORA Card Phase 2:
 - Crypto <> Fiat conversion;
 - Integration of fiat wallet application;
 - Implementation of cross-app communication between SORA and Fiat wallets;
 - Improvements in KYC flow.
- Project management activities (daily meetings, planning, retrospectives);
- Product Design activities;
- QA and testing activities;
- Communicated and synchronised with external partners for SORA Card: Phase 2;
- Preparation of scope, business and technical requirements for SORA Card: Phase 3.

2 Substrate (PSWAP) - 1,056 hrs

Polkaswap has received a substantial amount of ongoing improvements, including:

- Swap page enhancements:
 - Last Transactions Widget: Stay updated with your selected token's latest transactions in real time;
 - Route Widget: Track the route and amounts of your swaps for the selected tokens in real time;
 - Real-time Volume Updates: Monitor your selected token's volume in real time;
 - Customization Options: Personalize the page by showing/hiding widgets as you prefer.
- HASHI Substrate Bridge improvements:
 - The bridge backbone to the Liberland network;
 - Polkadot network upgrade support;
 - Streamlined network management, allowing users to effortlessly switch between nodes across different networks, with automatic switching supported for predefined nodes;
 - Block explorer links added to the Bridge TX Done dialogue for improved transaction visibility and tracking.
- Simplified the process of XOR staking;
- Improved network management and blockchain node selection;
- Added XOR native staking history support in the polkaswap.io/#/wallet Activity section;
- Fixed filter button styles in the XOR Native staking Validators dialogue;
- Improved interaction with browser extensions as wallets;
- Kensetsu UI implementation:
 - Vaults page
 - Vault details page
 - Closed/liquidated vaults (notifications, history) mockup preparation
- Asset owner page development;
- Project management activities (daily meetings, planning, retrospectives);
- Product Design activities;
- QA and testing activities.

3 DevOps and Security - 423 hrs

The work done this month by DevOps covers the SORA network as well as its underlying infrastructure. Here are more details:

3.1 SORA Blockchain

- New alerting rules for CI/CD
- Updated the SORA Governance bot
- Improved CI/CD pipeline
- Deployed the Liberland bridge on the public testnet environment
- Improved Alphanet parachain dev environment
- Kensetsu security consulting
- In progress:
 - 5% - Wazuh integration
 - 5% - Automated delivery till public testnet
 - 95% - Liberland bridge audit

3.2 Parachain

- Improved CI/CD pipeline
- Security checks updated

3.3 Polkaswap

- Improved CI/CD pipeline
- Potential collaboration web extension audited
- In progress:
 - 5% - Fault tolerance, DePIN alternatives

3.4 Mobile Clients

- Updated CI/CD pipeline
 - New autotests
 - Library improved

3.5 SORA Card

- Improved CI/CD
- Working on Infrastructure hardening

4 Education – 906 hr

Educational operations this month included:

4.1 SORA

- Ecosystem Update;
- Ongoing wiki Improvements:
 - Onramp and Governance tutorials added.
- Daily social media posts (covering key features, testnet/mainnet releases, highlighting USPs, and entertainment);
- Weekly network digest recap;
- Relationship management with parachain teams to open HRMP channels;
- Discussions with potential partners to integrate their services into the SORA wallet and integrate SORA DeFi services into their product;
- Alignment and coordination on setting up cross-functional team collaboration for business-oriented initiatives;
- Cross-team, cross-department synchronization and planning on processes;
- Product-education collaboration on campaigns;
- Data analysis of the network and ecosystem to drive data-driven decision-making;
- Work on the SORA Ecosystem Growth initiative to strategize and plan from the ecosystem driving Product, Business, and Education;
- SORA evangelisation at industry events and conferences.

4.2 Polkaswap

- Ecosystem Update;
- Daily social media posts (covering key features, testnet/mainnet releases, highlighting USPs, and entertainment);
- Orderbook video tutorial series;
- Bridge to a sovereign state education campaign preparation.
- Attending high-impact in-person events and business to government (B2G) expenses.

5 Total Hours – 6,289 hr

Additionally, invoice 205056, attached, pertains to cloud server costs for March 2024.

All SORA Ecosystem Memo payments provide collateral to the Token Bonding Curve.

Your ongoing support is greatly appreciated, and we look forward to continuing to serve you.

Sincerely,

SORAMITSU Helvetia AG

The SORA Ecosystem Updates, published on [March 20](#) and the Polkaswap update, published on [March 15](#), present supporting concept updates.

SORAMITSU Helvetia AG
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Invoice

Invoice for SORA.org	Payable to SORAMITSU Helvetia AG	Issue Date 8 April 2024	Invoice Number 205056
	Project Cloud Service Provider Cost for March 2024	Due Date 15 April 2024	

Description	Amount (USD)
Cloud Service Provider Cost for March 2024	14,913.00

Subtotal	\$14,913.00
Tax	0,00

Total Amount Due **USD \$14,913.00**

* Payment can be made in equivalent TBCD, at the market rate.

Wallet Address (TBCD): **cnW1uFPnjTzD4dXFCKfAVxkJ4opuZGDs27d4UJFgMCKKG3YMW**

Thank you very much for your business. We are looking forward to serving you again.

SORAMITSU Helvetia AG
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Invoice

Invoice for SORA.org	Payable to SORAMITSU Helvetia AG	Issue Date 8 April 2024	Invoice Number 205057
	Project Development Cost for March 2024	Due Date 15 April 2024	

Description	Quantity (Work-Hours)	Unit Price (USD)	Amount (USD)
SORA (Backend, Mobile Apps)	3,904	369.00	1,440,576.00
Polkaswap (Backend, Frontend)	1,056	369.00	389,664.00
DevOps and Security Review	423	369.00	156,087.00
Education	906	369.00	334,314.00
Subtotal	6,289.00	\$369.00	\$2,320,641.00

	Subtotal	\$2,320,641.00
	Tax	\$0.00

Amount Due	USD \$2,320,641.00
Grand Total Due (Invoice 205056 & 205057)	USD \$2,335,554.00

** Payment can be made in equivalent TBCD, at the market rate.*

Wallet Address (TBCD): **cnW1uFPnjTzD4dXFCKfAVxkJ4opuZGDs27d4UJFgMCKKG3YMW**

Thank you very much for your business. We are looking forward to serving you again.



SORAMITSU Co. Ltd.

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